

## **Exhibit F**

**Weiss, Merritt**

6 No. C-05-01114 JW (HRL)  
MDL No. 1665

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14 DEPOSITION OF S. MERRILL WEISS  
15 Los Angeles, California  
16 Friday, September 2, 2005

21      Reported by:  
            BETH HANDWEILER  
22      CSR No. 3492  
23      JOB No. 37970  
24  
25

**Weiss, Merrill**

1                   UNITED STATES DISTRICT COURT  
2                   NORTHERN DISTRICT OF CALIFORNIA  
3                   SAN JOSE DIVISION  
4  
5    IN RE ACACIA MEDIA  
6                   TECHNOLOGIES CORPORATION

6                   No. C-05-01114 JW (HRL)  
7                   MDL No. 1665

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15                Deposition of S. MERRILL WEISS, taken on behalf of  
16                Defendant Coxcom, Inc., and Hospitality Network, at  
17                601 South Figueroa Street, Suite 3400, Los Angeles,  
18                California, beginning at 9:37 a.m. and ending at 4:58  
19                p.m. on Friday, September 2, 2005, before BETH  
20                HANDWEILER, Certified Shorthand Reporter No. 3492.

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**Weiss, Merrill**

1 common knowledge in 1990, correct? Common knowledge  
2 among people of ordinary skill in this art?

3 A I believe it was.

4 Q What is the CCITT?

5 A I can't quite do it with the right French  
6 accent, but it's the international telecommunications  
7 consultative committee basically, in English.

8 Q Do you know Dr. Lippman?

9 A Yes.

10 Q You knew him before this deposition?

11 A Yes.

12 Q Would you agree with me that he has an  
13 outstanding reputation in his field?

14 A Yes.

15 Q Pardon me?

16 A Yes.

17 Q Are you familiar with his work at MIT?

18 A Somewhat.

19 Q Are you and Dr. Lippman in the same field?

20 A In some ways, yes, and in some ways, no.

21 Q Can you explain that?

22 A We both do work in the area of -- let me call  
23 it electronic media. He approaches it much more from  
24 the computer and computing direction. I approach it  
25 much more from the television and electronic media

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1 direction.

2 Q Knowing his qualifications and after reading  
3 the patent, do you have any doubt that he's qualified to  
4 give opinions about this technology?

5 A Qualified to give opinions? I would say yes.  
6 It doesn't mean I'll agree with them.

7 Q Are you going to give opinions at the hearing  
8 responsive to Mr. Lippman's opinions?

9 A I don't believe so.

10 Q You just made the day a little shorter, but  
11 we'll talk about that a little more later.

12 Do the phrases "high level diagram" and  
13 "detailed block diagram" have any significance to you?

14 A I understand what they mean.

15 Q Are there any differences?

16 A It would depend on the particular way somebody  
17 used those terms, but I would normally expect there to  
18 be differences.

19 Q What is a broadcast engineer, sir?

20 A A broadcast engineer is someone who does  
21 technical work in the field of broadcasting.

22 Q What kind of technical work?

23 A There is a whole range of work that falls under  
24 the category of broadcast engineering, so --

25 Q Let me ask it a different way then. What do

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1 you mean by broadcasting?

2 A Broadcasting historically has been -- has  
3 involved the transmission of signals using radio waves.  
4 It has come to have a much broader meaning in recent  
5 years, so that it involves the dissemination of  
6 programming to the public through either the classic  
7 radio frequency broadcasting through distribution on  
8 satellite, or cable. Broadcast engineering is even  
9 being applied these days to the development of content  
10 that -- and distribution of content that's flowing over  
11 the internet.

12 Q Have you ever built an encoder yourself? I'm  
13 not talking about designating it to somebody else. Have  
14 you ever built one?

15 A Any kind of encoder?

16 Q Yes, sir.

17 A Yes.

18 Q What kind?

19 A An NTSC encoder.

20 Q What is an NTSC encoder?

21 A It stands for National Television Systems  
22 Committee. The encoder was a color encoder to take  
23 signals from a camera and convert them into an NTSC  
24 compatible color television signal.

25 Q When did you do this?

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1           A    I want to say in the late '70s.  Mid to late  
2   '70s.  Somewhere in there.

3           Q    So what was encoded in the NTSC encoder?

4           A    What was encoded?

5           Q    Yes, sir.

6           A    Well, the way an NTSC encoder works, it takes  
7   input from the three signals coming out of a color  
8   camera, red, green and blue.  It converts them into a  
9   luminance and two color different signals, and then  
10   modulates the color different signals onto a  
11   sub-carrier.  In any event, I guess the short answer is  
12   what was encoded was television signals.  We're probably  
13   getting a little too technical.

14           MR. DORMAN:  It happens in these cases.

15   BY MR. McMAHON:

16           Q    Did these signals involve compression?

17           A    NTSC is an analog system.  I gave a paper once  
18   that basically said that NTSC was the first compression  
19   system, but it was analog as opposed to digital, in the  
20   way it did its compression.

21           Q    So it compressed analog signals?

22           A    And the result was an analog signal, and it did  
23   it using analog methods.  I just thought of something,  
24   too, by the way.  When you were asking me earlier was I  
25   involved in compression, you will notice in my resume

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1 that I had a company called Imagex in the mid-'80s, and  
2 we were involved in compression at that point.

3 Q Compression of what?

4 A I'm sorry, compression --

5 Q Compression of what?

6 A Of video.

7 Q Why?

8 A Why? Because we were trying to fit more images  
9 into less space, both on optical disks and in memory.

10 Q For purposes of storage or transmission?

11 A For purposes of storage and processing, not  
12 really transmission.

13 Q Are you an expert in data compression?

14 A No, I would not consider myself an expert in  
15 data compression.

16 Q You have mentioned that you've -- rather your  
17 CV refers to a number of committees that you are on,  
18 SMPTE committees?

19 A Yes.

20 Q Do you get paid for your work with the SMPTE  
21 committees?

22 A A few, yes. Mostly, no.

23 Q Why would you get paid?

24 A If a client needs a particular standard  
25 developed or needs to have participation in the

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1           A    Yes. Broadcast engineering at least,  
2 publications.

3           Q    Can you give me an example of such  
4 publications?

5           A    Broadcast Engineering is the name of the  
6 magazine, TV Technology, the SMPTE Journal. Perhaps the  
7 IEEE Transactions on Broadcasting, although that tends  
8 to be more in the radio frequency area, RF area. There  
9 was another magazine back then that's now defunct. I'm  
10 trying to remember what its name was. I think it was  
11 called TV Broadcast. There are a whole range of others.  
12 I mean there is one called Videography. There are lots  
13 of technical journals -- or technical magazines is a  
14 better term, related to electronic media industry that  
15 existed then. And your question was specifically with  
16 respect to broadcasting, was it not? Broadcast  
17 technology?

18           Q    My question was would the person of ordinary  
19 skill in the art in January 1991 subscribe to  
20 broadcasting publications, and then you said yes, and I  
21 asked you to give me examples.

22           A    Okay.

23           Q    So you are done with your answer?

24           A    Yes.

25           Q    Would a person of ordinary skill in the art in

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1       January 1991 have known about time codes?

2           A    Absolutely.

3           Q    Why?

4           A    Prevalent in the industry.

5           Q    Would the person of ordinary skill in the art  
6   have been familiar with SMPTE 12M?

7           MR. DORMAN: This is January of '91?

8           MR. McMAHON: Right.

9           THE WITNESS: Yes.

10          BY MR. McMAHON:

11           Q    Were ISO reports generally available to people  
12   of ordinary skill in the art at that time?

13           A    Available, yes. Probably not as widely spread  
14   in terms of their being on people's shelves, but  
15   certainly available.

16           Q    What about ISO draft reports? Do you  
17   understand they were published?

18           A    Again -- well, certainly if they're available,  
19   then some people would have them.

20           Q    Some people of ordinary skill?

21           A    Of ordinary skill.

22           Q    Are you, sir, familiar with the MPEG video  
23   committee draft report published in December 1990?

24           A    That document per se I don't recollect, but  
25   certainly I was aware of MPEG and all of its creations.

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1           Q    Were you aware of what was going on with MPEG  
2    in December 1990 and January 1991?

3           A    More or less.

4           Q    Were people of ordinary skill in the art aware  
5    of what was going on with MPEG and the ISO committee?

6           A    Probably they were aware, but probably not on a  
7    technical level, because there was certainly publication  
8    going on back then about the activities of the  
9    committee, but the document I don't think was actually  
10   published until '91.

11          Q    Would a person of ordinary -- well, maybe you  
12    don't know this because you are not an expert in  
13    compression. If you don't know, tell me. Would a  
14    person of ordinary skill be familiar with discrete  
15    co-sign transforms in January 1991?

16          A    I have to think about the timing of that. I  
17    wrote a book that covers discrete co-sign transforms,  
18    but it was several years later. I think that was known  
19    generally by then. Probably not that it was part of  
20    MPEG, but it was known for its use in other schemes by  
21    then.

22          Q    Such as H.261?

23          A    Video compression schemes, yes.

24          Q    Would a person of ordinary skill in the art in  
25    December 1990 or January 1991, have known about

1 I-frames, P-frames and B-frames?

2 A Certainly not B-frames, because they were part  
3 of MPEG-2, and that didn't come until later.

4 Q You're sure about that?

5 A I am pretty sure about that.

6 Q I'm interrupting. Did you finish your previous  
7 answer?

8 A No. I-frames and P-frames, probably -- well, I  
9 don't remember whether those terms were used in earlier  
10 documents, but the MPEG-1 document, if I remember  
11 correctly, came out in early '91, and would have used  
12 those terms, and that's after January. So I don't  
13 believe that -- well, I just don't know whether -- don't  
14 remember whether other documents were using that  
15 terminology prior to then.

16 Q Did H.261 disclose how to code P-frames?

17 A I haven't looked at H.261 in a very long time.  
18 I don't remember.

19 Q Was the concept of GOP, G-O-P, headers known to  
20 people of ordinary skill in the art at the time we're  
21 talking about?

22 A I don't recollect that concept prior to MPEG,  
23 so unless it was contained in some other earlier  
24 documents -- and I don't remember those earlier  
25 documents well enough to know -- to be able to say with

1 any specificity.

2 Q Is this a true statement as of January 1991?

3 A video sequence of groups of pictures input to the  
4 decoder may be different from the one at the encoder  
5 output due to editing?

6 A I'm sorry, could you read that again?

7 Q I'm going to give you a statement. I want to  
8 know whether it's true as of January 1991. A video  
9 sequence of groups of pictures input to the decoder may  
10 be different from the one at the encoder output due to  
11 editing?

12 MR. DORMAN: Objection, unintelligible. If you  
13 can answer it, answer it.

14 THE WITNESS: Due to editing? And so your  
15 question is is that technically true?

16 BY MR. McMAHON:

17 Q Was that statement true at that time?

18 A If I understand it correctly, it's not even  
19 true today, so I would presume it wasn't true then.

20 Q Why is it not true today?

21 A Because you don't normally do editing inside an  
22 encoder, if I'm understanding the question correctly and  
23 the statement correctly.

24 Q And if I took the last three words out there,  
25 "due to editing," would the statement have been true as

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1 of 1991, January?

2 MR. DORMAN: Why don't you restate it without  
3 these three words.

4 BY MR. McMAHON:

5 Q A video sequence of groups of pictures input to  
6 the decoder may be different from the one at the encoder  
7 output?

8 A That would be true from several perspectives.

9 Q From what perspective, sir?

10 A The frames on the output of an encoder are sent  
11 in a different sequence when they're in the encoded  
12 stream than they occur on the input to the encoder and  
13 on the output of a decoder. In addition to that,  
14 because this kind of encoding is lossy, there will be  
15 differences, once the video stream is decoded. So there  
16 will be detectable, often noticeable, sometimes quite  
17 noticeable differences between the input and the output  
18 because of the lossy compression.

19 Q Have you ever heard of a sequence counter?

20 A Sequence counter? I've heard of many counters.  
21 Maybe you're referring to some specific one in the  
22 document. I can certainly understand what a sequence  
23 counter would be.

24 Q Have you ever heard of a sequence counter?

25 MR. DORMAN: At any time?

1       inner workings of MPEG, I don't consider myself to be an  
2       expert. When it comes to using it, evaluating it, a  
3       variety of other things, I probably do have a sufficient  
4       knowledge to be considered expert.

5           Q    I don't understand that answer. When you use  
6       it or evaluate it aren't you dealing with the inner  
7       workings of MPEG?

8           A    What I was differentiating was designing -- for  
9       instance, designing an MPEG encoder from applying an  
10       MPEG encoder. So I would not consider myself to be  
11       sufficiently expert with MPEG to design the routine that  
12       does the DCT and the zigzag scanning and things like  
13       that, but I would be certainly sufficiently expert to  
14       design a system that used MPEG-2, to choose equipment,  
15       to set the parameters, things of that sort.

16           Q    Going back to claim 7, there is a reference --  
17       well, the word "transforms" appears. Does that mean  
18       place?

19           A    I'm sorry, does that mean?

20           Q    Place or places.

21           A    If I were looking for a synonym, I would  
22       probably use one like converts perhaps.

23           Q    How do you convert digital data blocks into a  
24       group of addressable data blocks?

25           A    In the initial case they're perhaps

1       unassociated. They're part of a -- or they're not  
2       associated as part of a group. They may be part of a  
3       sequence. I'm looking at a group as being a subset out  
4       of a sequence, out of an overall sequence when I read  
5       that. And so if I wanted to take some part of the  
6       sequence and make a group out of it, that's what this  
7       would be.

8           Q    Well, what is the sequence that you're  
9       referring to? In other words, what do you mean when you  
10      say the word "sequence" in that previous answer?

11          A    Let's suppose I've got -- let me call it an  
12       audiovisual work, and that audiovisual work is composed  
13       of a large number of frames of video and corresponding  
14       audio segments. And I time encode that to indicate the  
15       sequence from beginning to end of that audiovisual work.  
16       That would be the -- call it the basic function of the  
17       time encoder.

18           I could then subdivide that audiovisual work  
19       into segments that would be where the frames within  
20       those segments would be grouped together. And so I  
21       would be converting the initial sequence into subsets  
22       that would be represented by those groups. That's the  
23       way I think about -- I've thought about it. That's why  
24       I used the term convert. So I'm taking the initial  
25       sequence, and out of that I'm making groups.

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1           Q    Tell me precisely what gets time encoded on  
2   this invention.

3           A    As I understand it, the frames of video get  
4   time encoded. Or the data that represents those frames  
5   of video get time encoded.

6           Q    Before compression?

7           A    It happens -- the time encoding takes place  
8   before compression, but the code that represents the  
9   time then continues to be associated with the individual  
10   frames after compression.

11          Q    What do you mean when you reference "the code  
12   that represents the time"?

13          A    When you time encode video content you apply to  
14   it -- to each frame a value that states where it occurs  
15   along a time continuum.

16          Q    And where does this time stamp go?

17          A    It depends on the form that the content is  
18   expressed in. So, for instance, if you're talking about  
19   a videotape and you're talking about a particular format  
20   in a videotape, then it could go on an audio track as a  
21   longitudinal time code, for instance. If you are  
22   talking about another form of videotape, it could go in  
23   the vertical interval of the video. If you are talking  
24   about a digital representation, it could be expressed in  
25   one of a couple of different ways as data within the --

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1       within the data that represents the video frame.

2           So depending on how the video is -- how the  
3       video itself is encoded or expressed, the time stamp, if  
4       I could call it that, that applies to each frame would  
5       be carried in a different way.

6           Q    You're talking about SMPTE time stamps,  
7       correct?

8           A    That's what I have in mind specifically, yes.

9           Q    Is that what the patent contemplates?

10          A    Well that's certainly encompassed by what the  
11       patent contemplates.

12          Q    Well, what -- define for me, as precisely as  
13       you can, what kind of time stamps are applied in the  
14       time encoder 114?

15          A    When you say define for you, do you mean define  
16       at a highly technical level, or in terms of the  
17       standards that might be used, or what kind of answer --

18          Q    At the standard level. I want to know what  
19       kind of time stamps are being applied.

20          A    Well, the one that came immediately to my mind  
21       when I saw this was the SMPTE 12M style time code.  
22       Clearly there could be other -- I mean I could name a  
23       number of other standards that exist that could have  
24       been applied.

25          Q    Such as?

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1           A    An earlier thing that I am aware of was called  
2    IRIG, I-R-I-G, that was used for telemetry, I think, by  
3    NASA.  There were other time codes that existed for  
4    telemetry and data stamping, as I recollect that, but  
5    IRIG is the other one that comes to mind.

6           Q    SMPTE and IRIG?

7           A    There are others, but those are the ones --

8           Q    Well, what others?  This is my time to find out  
9    what is in your mind.

10          A    Those are the only ones that come to mind at  
11    the moment.  I know there are others, but I would have  
12    to go back and think about it or do some research to get  
13    you anymore.

14          Q    So you had those VITC, V-I-T-C, time codes,  
15    LITC time codes --

16          A    LTC.

17          Q    And then those data time codes under SMPTE,  
18    right?  You described three types --

19          A    If you want to describe it as data time codes,  
20    that's fine.

21          Q    Well, how did you describe it?  Give me a  
22    label --

23          A    One was called DVITC, which is essentially a  
24    digital representation of an analog signal carrying  
25    digital information.  It's very convoluted.  Another one

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1 is where digital time code is carried as ancillary data  
2 in the vertical interval. It's just carried as data.  
3 There may be yet another representation that is  
4 metadata.

5 Q These are the SMPTE time codes that fall within  
6 the scope of the patent, in your opinion?

7 A Yes.

8 Q And are these the kinds of codes that a person  
9 of ordinary skill would have concluded were contemplated  
10 by the patent in December 1990 or January 1991?

11 A Actually I was going to mention that there were  
12 time coding mechanisms that came in MPEG, but that was  
13 after the patent. And, in fact, I think some of the  
14 digital codes that I mentioned to you earlier may have  
15 been after the patent. I was just thinking in general  
16 about SMPTE time codes.

17 Q All right. Let's be real clear. My questions  
18 before were not related time, the first one. I asked  
19 you to tell me what kind of time codes are contemplated  
20 by this patent and you told me SMPTE and IRIG. Now you  
21 are telling me something else?

22 A No. I'm just saying that when I listed the  
23 various forms of SMPTE time codes, I was doing that  
24 without thinking about whether they were in existence in  
25 1991, and so some of them that I told you about may have

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1 come along after 1991. I'm trying to be as accurate as  
2 I can be for you.

3 Q Either I'm slow or you're not being accurate.  
4 Now you just mentioned MPEG. Are you telling me that  
5 MPEG time stamps fall within the scope of this patent?

6 A No. What I said was that I was going to  
7 mention MPEG, and then it occurred to me that MPEG came  
8 later than the patent. And so therefore I was not  
9 mentioning it. I probably shouldn't have said the words  
10 to begin with, once I realized that it was after the  
11 patent.

12 Q Well, forgetting the date of the patent, are  
13 you of the opinion that MPEG time stamps fall within the  
14 scope of this patent?

15 MR. DORMAN: Objection. The question is  
16 unintelligible as asked.

17 BY MR. McMAHON:

18 Q Do you understand the question? Are you of the  
19 opinion that MPEG time stamps fall within the scope of  
20 the patent?

21 A Taken by themselves they might not, but taken  
22 with the appropriate -- there are standards in place in  
23 which you -- or standards that exist in which you take  
24 an externally applied time code and conform the MPEG  
25 time stamps to it, so that essentially you are using the

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1       MPEG time stamps to transport an already applied SMPTE  
2       time code.

3                   And so in that situation, yes, it would fall  
4       within the --

5       Q    If the MPEG time stamps carried a SMPTE time  
6       stamp with them?

7       A    Carried the information.

8       Q    "The information" meaning the SMPTE time code?

9       A    The time code that was already applied to the  
10      data. So that it followed this -- it followed the  
11      sequence of -- I probably shouldn't use the word  
12      "sequence" because it will be confusing. It followed  
13      the arrangement that is required by the patent, if there  
14      is a particular arrangement that is required by the  
15      patent. That would be a mechanism by which the MPEG  
16      time information would carry the same data.

17       Q    The SMPTE data?

18       A    Or whatever it was.

19       Q    Meaning what?

20       A    Well, for instance, if it happened to have been  
21      IRIG.

22       Q    Okay, SMPTE or IRIG. All right.

23       A    Or whatever other technique somebody chose to  
24      use.

25       Q    All right. And just so I'm clear then, in your

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1       opinion, the MPEG time stamps would only fall within the  
2       scope of the patent if they carried the SMPTE time code  
3       information or the IRIG time code information?

4           A    Or any other form of time coding -- the  
5       information from any other form of time coding somebody  
6       might have used.  It's the information carriage that's  
7       the important factor in what I'm describing.

8           Q    Well, I'm -- what about MPEG time stamps by  
9       themselves?  Like DTS.

10          A    You mean PTS?

11          Q    DTS.  It's my example.

12          A    If MPEG time stamps are applied independently,  
13       without reference to the time coding that is shown as  
14       being associated with the sequence, prior to  
15       compression, then that, to my way of thinking, would not  
16       be a method of carriage of the same information that's  
17       applied by the time encoder that's described in the  
18       patent.  It's a new application later in the process.  
19       But there are mechanisms that are available for  
20       applying -- for carriage of the time information that's  
21       already associated with the content through MPEG  
22       encoding.

23          Q    I'm not following you so I need more clarity.  
24       What about a program clock reference?

25          A    PCR is not really a time stamp.  It's a

1 You're the expert. You are the one that's going to come  
2 into court and give us answers, supposedly, and  
3 supposedly help the court out. I assume you're not  
4 going to do that then, and I don't think you should  
5 particularly be wasting everybody's time doing it now if  
6 you really do have the answers, which I think you do  
7 have them. Can you answer this matter-of-factly without  
8 having to engage in this dilatory proceeding that we're  
9 seeing?

10 A Would you like to ask a question again?

11 Q Do you remember what it was? You said the  
12 difference between claim 1 and claim 7 is because  
13 claim -- is because claim 1 has assignment of time  
14 markers to the complete sequence of data blocks and not  
15 just the ones that are part of groups, and I asked you  
16 what your basis for that was.

17 A And the short answer is it's in the patent, and  
18 I was trying to give you more precision as to where in  
19 the patent.

20 Q All right.

21 A That's why I was looking at the document.

22 Q Look in the patent and tell me where it is.  
23 Can you do that without having to read the whole thing?

24 MR. BLOCK: Objection. He just did that. He  
25 told you which occurrences. It says right here what

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1 parts of the patent.

2 BY MR. McMAHON:

3 Q Is that your answer? Because it seems to me  
4 like you lost your train of thought at the end. You  
5 waited so long you didn't remember what you had been  
6 saying. Is your answer the one that's attributable to  
7 number 25?

8 MR. BLOCK: I believe he said more than just  
9 25.

10 THE WITNESS: I believe what I said to you was  
11 that the basic definition was in one place and that the  
12 addition of the grouping was in another place, and I  
13 gave you the references to those.

14 BY MR. McMAHON:

15 Q Your answer was "in I guess it's instance or  
16 occurrences as I called them, 28, 29 and 30, there is a  
17 description of assigning relative time markers to the  
18 audio and video data. And occurrence 25 is when the  
19 description occurs of a placement into groups of  
20 addressable data blocks." Is that your response to my  
21 question?

22 A Yes.

23 Q And which is 25, occurrence 25 in your chart?  
24 Is that the sentence that says -- well, you tell me.

25 A It's the sentence that says "time encoder 114

1 places the blocks of converted formatted information  
2 from converter 113 into a group of addressable data  
3 blocks."

4 Q And that's the sole basis for your opinion that  
5 the difference between claim 1 and claim 7 is because 7  
6 addresses transforms the blocks into a group of  
7 addressable blocks? You're focusing on the word  
8 "group," right?

9 A Yes.

10 MR. BLOCK: Objection. Mischaracterizes his  
11 testimony.

12 MR. McMAHON: He just said yes.

13 Q Do still frames have to be time encoded?

14 MR. BLOCK: Objection. Vague, ambiguous.

15 THE WITNESS: It looks to me like not under all  
16 of the claim.

17 BY MR. McMAHON:

18 Q Just so we're clear, I waited a minute and 58  
19 seconds for that answer.

20 Going back to the time marker, how does the  
21 time marker transform the blocks or frames into a group?

22 A By applying additional data to them as part of  
23 the time identification.

24 Q What additional data?

25 A If we're in the SMPTE time code domain, there

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1 are mechanisms for being able to do that.

2 Q My question is what additional data?

3 A The provision is made for carrying, as part of  
4 the time code system, additional information such as,  
5 for instance, scene or take or -- what else is in there?  
6 Equipment. There are a variety of additional forms of  
7 data that can be applied that gets carried as part of  
8 the time code. And that is one mechanism that can be  
9 used to indicate groups of blocks that are part of a  
10 sequence.

11 Q What defines --

12 A How long did it take for that answer?

13 Q About as long, but, you know --

14 MR. BLOCK: I object. It didn't take --

15 MR. McMAHON: We'll be here as long as we want.

16 Q What defines the creation of a group?

17 A I don't remember there being any specific  
18 definition of a group, other than that they can be found  
19 as part of a group. In other words, whatever an  
20 operator might want to associate with the group would  
21 seem to me to be --

22 Q How do you know whether you are looking at one  
23 group or two groups?

24 A I'm not sure I understand the question. You  
25 would have data that identifies blocks as being part of

1 a group. Somehow I'm not understanding your question, I  
2 think.

3 Q Well, maybe it's because I don't understand  
4 your answer when you said, "I don't remember there being  
5 any specific definition of a group, other than they can  
6 be found as part of a group." This is your chance. If  
7 you want to give me any other answer, then fine, but I'm  
8 going to object to you telling me anything else at the  
9 hearing that you're not telling me today. Do you have  
10 anything else to tell me as to what defines a group?

11 A Is your question with respect to what is the  
12 purpose of a group, or from a data organization  
13 standpoint what is a group?

14 Q My question is what defines the creation of a  
15 group?

16 A Creation of a group. The association with the  
17 member blocks of that group of an indicator that they  
18 are part of the group.

19 Q Give me an example.

20 A I'm going to imagine a construct to give you an  
21 example. I've got an audiovisual work that has three  
22 acts to it, and I want to associate some of the frames  
23 with act 1, some of the frames with act 2 and some of  
24 the frames with act 3. And as part of the time code  
25 data I can put in an indicator that says these frames

1 are part of act 1, and another subset of that can be  
2 associated with a code that says act 2, and another  
3 subset can be associated with an appropriate code that  
4 says part of act 3.

5 Q So is it correct to say that you need more than  
6 merely a time marker in order to transform digital data  
7 blocks into a group of addressable data blocks?

8 A No. What I was just describing is part of the  
9 time code.

10 Q When you use an indicator that says these  
11 frames are part of act 1 -- that's something other than  
12 a time code, isn't it?

13 A It is an element of the time code.

14 Q So a time code isn't merely an hour, minute,  
15 second, is it?

16 A And frames.

17 Q It's more than all four of those. Is that what  
18 you're saying?

19 A It can be.

20 Q Is it within claim 7? This is your answer,  
21 sir. You just talked about an indicator of which act  
22 you are in. All I want to know is just tell me, as  
23 precisely as you can, what is used to transform digital  
24 data blocks into a group of addressable data blocks, as  
25 contemplated by claim 7.

1           A. It seems to me there are two ways that can be  
2 done. One is by including an indicator within the time  
3 code that associates frames with parts of -- as parts of  
4 groups. The other is to collect time codes that are  
5 associated with frames into -- call it an external -- I  
6 want to use the word database -- that indicates the  
7 association between those frames.

8           Q. And are either of these disclosed in the  
9 specification?

10          A. Not specifically. Both were known at the time,  
11 well-known at the time.

12          Q. You said not specifically. Was it implicitly  
13 anywhere in that patent?

14          A. Those were techniques that were well-known in  
15 the industry in the '80s as available to do the sort of  
16 thing that's being described here.

17          Q. And you haven't provided us with any evidence  
18 of that in your declaration report, have you?

19          A. If you mean by "evidence," a reference to  
20 those -- the documents that support that, no. I can  
21 tell you to go look at SMPTE RP 135, if you want to see  
22 where it is.

23          Q. Other than what you've told me, these  
24 indicators and references to time, does the time encoder  
25 do anything more in claim 7?

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1           A I'm sorry, I was thinking about something else.

2           Q Does the claim do anything more in claim 7 that  
3 you haven't told us about? Let me strike that. Does  
4 the time encoder do anything more in claim 7 that you  
5 haven't told us about?

6           A Nothing that comes to mind at the moment.

7           Q Would you look at figure 2a in the patent?  
8 What is represented by that arrow that goes across the  
9 bottom?

10          A As I recollect it, that's the path that allows  
11 the transfer of precompressed material coming from an  
12 interlibrary data transfer into the -- if I remember  
13 right, 117 prime is the storage component that's part of  
14 the compressed data formatting section.

15          Q All right. New topic. What is the -- strike  
16 that. Is there a distinction in the '702 patent between  
17 uniform ID code and a uniform address code?

18          A I'm sorry, the noise outside was distracting.  
19 Can you say that again?

20          Q Is there a distinction in the '702 patent  
21 between uniform --

22            MR. BLOCK: Should be identification code, I  
23 think you meant to say.

24            MR. McMAHON: Yes.

25          Q Between unique identification code --